

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for CARVACROL**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Achillea millefolium	Leaf				--
Acinos suaveolens	Shoot		15.0	-0.620681135071817	Tumen, G. 1991. The Volatile Constituents of <i>Acinos suaveolens</i> (Sibt. et Smith). G. Don fil. Growing in Turkey. <i>J. Ess. Oil Res.</i> 3:191-2.
Anethum graveolens	Plant				--
Anethum graveolens	Seed Essent. Oil				--
Anethum graveolens	Leaf	165.0	450.0	0.1349696974520959	--
Angelica sinensis	Root				Pedersen, M. 1987. <i>Nutritional Herbology</i> . Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica sinensis	Root Essent. Oil				Jim Duke's personal files.
Artemisia cina	Flower				--
Artemisia annua	Shoot	40.0	1640.0	-0.4292748573282448	--
Calamintha nepeta	Shoot		3.0	-0.6220945750912723	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . <i>J. Ess. Oil Res.</i> 4:189-190
Camellia sinensis	Leaf				--
Carum carvi	Seed Essent. Oil		595300.0		--
Carum carvi	Seed				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Carum carvi	Plant				--
Chrysanthemum parthenium	Shoot				Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. <i>Flavor and Fragrance Journal</i> 11(6): 367-71.
Cinnamomum camphora	Plant				--
Coleus barbatus	Stem Essent. Oil		2000.0		Jim Duke's personal files.
Coleus barbatus	Leaf Essent. Oil		2000.0		Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coridothymus capitatus</i>	Shoot		18105.0	1.510112224509415	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
<i>Cunila origanoides</i>	Shoot		504.0	-0.5630825539554893	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Dictamnus albus</i>	Shoot		15.0	-0.6206811135071817	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot		80.0	-0.6130248632600243	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot		80.0	-0.6130248632600243	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Elytrigia repens</i>	Plant		50.0	-0.859879105792264	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Elytrigia repens</i>	Rhizome		55.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Gentiana lutea</i>	Essential Oil				Abstract (See species file)
<i>Glycyrrhiza glabra</i>	Root				--
<i>Glycyrrhiza glabra</i>	Root Essent. Oil				--
<i>Houttuynia cordata</i>	Plant				--
<i>Hyssopus officinalis</i>	Plant		1.0	-0.8666583045604165	--
<i>Juglans nigra</i>	Essential Oil		9000.0	-0.9698476089081176	--
<i>Juniperus sabina</i>	Plant				--
<i>Laurus nobilis</i>	Leaf Essent. Oil				--
<i>Levisticum officinale</i>	Root				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Lippia graveolens</i>	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lonicera japonica</i>	Flower				Schlotzhauer, W.S., S.D. Pair, and R.J. Horvat. 1996. Volatile constituents from the flowers of Japanese Honeysuckle. <i>J. Agric. Food Chem.</i> 44:206-209.
<i>Melia azedarach</i>	Essential Oil				--
<i>Mentha spicata</i>	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Mentha pulegium</i>	Plant	100.0	400.0	-0.8114562574483182	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha spicata</i>	Essential Oil				--
<i>Mentha x piperita</i>	Essential Oil				--
<i>Mentha pulegium</i>	Essential Oil	10000.0	20000.0	-0.9288943509503852	--
<i>Micromeria congesta</i>	Leaf	20.0	30.0	-0.5476394052016497	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot		17.0	-0.6204455365764999	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria fruticosa</i>	Shoot		17.0	-0.6204455365764999	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria myrtifolia</i>	Shoot		2.0	-0.6222123635566132	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria juliana</i>	Leaf		1900.0	2.4915963613757413	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Monarda citriodora</i>	Plant		316.0	-0.8230777410508652	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda fistulosa	Plant	93.0	19902.0	1.8866648522763463	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda media	Plant		2736.0	-0.4882683325012964	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda didyma	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Monarda citriodora	Leaf		250.0	-0.19008225619254485	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda russeliana	Plant		528.0	-0.7937473300539608	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda lindheimeri	Plant		7024.0	0.10498073520967481	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda citriodora	Flower		385.0		Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda punctata	Plant	4169.0	12507.0	0.8635592422664041	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf		0.1	-0.5962346722715234	--
Myrtus communis	Plant	2.0	3.0	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Nepeta racemosa	Shoot		170.0	-0.6024239013793447	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Nepeta racemosa	Shoot		170.0	-0.6024239013793447	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Nepeta cataria</i>	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Ocimum gratissimum</i>	Plant	5.0	190.0	-0.8405099664546857	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ocimum basilicum</i>	Plant				--
<i>Ocimum tenuiflorum</i>	Leaf	180.0	210.0	-0.255092646921473	--
<i>Ocimum sanctum</i>	Leaf	180.0	210.0	-0.255092646921473	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Ocimum basilicum</i>	Shoot Essent. Oil		6800.0	-0.7212680383887677	--
<i>Oenanthe javanica</i>	Shoot				--
<i>Origanum vulgare</i>	Shoot		26865.0	2.541939180895561	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
<i>Origanum vulgare</i>	Shoot				--
<i>Origanum syriacum</i>	Shoot		24850.0	2.304595423233679	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
<i>Origanum syriacum</i>	Shoot		24850.0	2.304595423233679	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
<i>Origanum vulgare</i>	Flower Essent. Oil				--
<i>Origanum sipyleum</i>	Shoot		18.0	-0.6203277481111591	Baser, K.H.C., Ozek, T., Kurkcuglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
<i>Origanum onites</i>	Shoot		15420.0	1.1938501950691405	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum minutiflorum	Shoot	16890.0	20000.0	1.7333213663303906	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
Origanum creticum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Origanum vulgare	Plant		12.0	-0.8651364436124639	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant		6.0	-0.8659665495840744	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum sipyleum	Shoot		2050.0	-0.3809815865384822	Baser, K.H.C., Ozek, T., Kurcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum vulgare	Essential Oil	136300.0	140000.0	-0.4821315368660316	--
Origanum sipyleum	Shoot		1025.0	-0.5017147635128886	Baser, K.H.C., Ozek, T., Kurcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum onites	Plant		8310.0	0.2829001151248588	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum vulgare	Plant		23960.0	2.448093191075582	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant	6.0	640.0	-0.7782520185838981	--
Origanum syriacum	Shoot		23765.0	2.1767949383388197	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum vulgare	Shoot Essent. Oil	6000.0	795800.0	1.414118386709685	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum sipyleum</i>	Shoot		1025.0	-0.5017147635128886	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
<i>Origanum majorana</i>	Essential Oil	388800.0	795000.0	1.956448823344398	--
<i>Origanum onites</i>	Shoot		15420.0	1.1938501950691405	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. &amp; Frag. J.</i> 8: 331-7.
<i>Origanum majorana</i>	Plant	1092.0	10920.0	0.6439962127754266	--
<i>Origanum vulgare</i>	Plant	1.5	3000.0	-0.4517436697504344	--
<i>Peumus boldus</i>	Leaf	0.0	6.0	-0.5866456396390065	--
<i>Piper nigrum</i>	Fruit				--
<i>Piper betel</i>	Leaf	45.0	2350.0	3.222963257076183	--
<i>Plantago asiatica</i>	Flower				--
<i>Plantago asiatica</i>	Root				--
<i>Plantago asiatica</i>	Leaf				--
<i>Plectranthus amboinicus</i>	Essential Oil		430000.0	0.5975452638378229	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Plectranthus amboinicus</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pycnanthemum nudum</i>	Shoot	325.0	910.0	-0.5152604370270902	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Rosmarinus officinalis</i>	Shoot Essent. Oil		17300.0	-0.6928503483209176	--
<i>Rosmarinus officinalis</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Leaf	5.0	6.0	-0.5866456396390065	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Leaf		5.0	-0.5882708994072298	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Leaf		6.0	-0.5866456396390065	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Sarracenia flava	Essential Oil				--
Sarracenia flava	Leaf Essent. Oil				--
Satureja subspicata	Plant		220.0	-0.8363594365966331	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Satureja obovata	Shoot	1.0	115.0	-0.6089022669730932	Fitoterapia No.60: 277.
Satureja obovata	Leaf		260.0	-0.17382965851031282	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja montana	Essential Oil	356000.0	412300.0	0.5316477487603808	--
Satureja cuneifolia	Shoot		8760.0	0.4093790158988513	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Satureja obovata	Leaf		160.0	-0.3363556353326332	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja montana	Plant	75.0	17250.0	1.519758012824505	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja obovata</i>	Leaf		260.0	-0.17382965851031282	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja thymbra</i>	Shoot		19830.0	1.7132973272224403	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
<i>Satureja cilicica</i>	Shoot		3005.0	-0.2684936021379377	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicica</i> P.H. Davis. <i>J. Ess. Oil Res.</i> 5: 547-548.
<i>Satureja hortensis</i>	Plant	18.0	8800.0	0.350692102806383	--
<i>Satureja obovata</i>	Leaf		680.0	0.5087794441434327	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Schinus molle</i>	Fruit				--
<i>Stevia rebaudiana</i>	Shoot				Kinghorn, A. D. (Ed.) 2002. <i>Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Flower				Kinghorn, A. D. (Ed.) 2002. <i>Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Tamarindus indica</i>	Fruit Essent. Oil		5000.0		--
<i>Tanacetum parthenium</i>	Shoot				Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. <i>Flavor and Fragrance Journal</i> 11(6): 367-71.
<i>Teucrium gnaphalodes</i>	Shoot		0.5	-0.6223890462546245	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium divaricatum</i>	Leaf		9.0	-0.5817698603343369	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium micropodioides</i>	Leaf		32.0	-0.5443888856652033	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium cyprium</i>	Leaf		155.0	-0.34448193417374917	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium kotschyanum</i>	Leaf		360.0	-0.011303681687992447	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium polium</i>	Shoot		2.0	-0.6222123635566132	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
<i>Thymus broussonettii</i>	Shoot		5330.0	0.005364579779618214	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus vulgaris</i>	Essential Oil	16700.0	80200.0	-0.7047683392180678	--
<i>Thymus zygis</i>	Shoot		385.0	-0.5770993813310545	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. <i>JEO5:</i> 153-8.
<i>Thymus zygis</i>	Shoot		385.0	-0.5770993813310545	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. <i>JEO5:</i> 153-8.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus longicaulis</i>	Shoot		8.0	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus orospedanus</i>	Plant		2730.0	-0.4890984384729069	<i>J. Nat. Prod.</i>
<i>Thymus riatarum</i>	Shoot		2675.0	-0.30736379570042954	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and II Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . <i>J. Ess. Oil Res.</i> 3: 43-4.
<i>Thymus funkii</i>	Shoot				Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.
<i>Thymus vulgaris</i>	Shoot				--
<i>Thymus zygis</i>	Shoot	350.0	3550.0	-0.2042988885271558	De Cunha, A.P. and Salguiero, L.R. 1991. The Chemical Polymorphism of <i>Thymus zygis</i> ssp. <i>sylvestris</i> from Central Portugal. <i>J. Ess. Oil Res.</i> 3: 409-12.
<i>Thymus vulgaris</i>	Plant	8.0	18720.0	1.7231339758690776	--
<i>Thymus longicaulis</i>	Shoot		8.0	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus capitatus</i>	Shoot		6130.0	0.09959535205232564	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. &amp; Fragr. J.</i> 8: 331-7.
<i>Thymus cilicicus</i>	Shoot		0.1	-0.6224361616407609	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of <i>Thymus cilicicus</i> Boiss. & Bal. <i>J. Ess. Oil Res.</i> 6: 97-8.
<i>Thymus funkii</i>	Shoot		4.0	-0.6219767866259315	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. &amp; Fragr. J.</i> 10(6): 379-383.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus longicaulis</i>	Shoot		8.0	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus serpyllum</i>	Plant	318.0	10505.0	0.5865805497390337	--
<i>Thymus capitatus</i>	Plant	6700.0	7900.0	0.22617620706480793	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus saturejoides</i>	Shoot		20.0	-0.6200921711804773	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Trachyspermum ammi</i>	Fruit	1350.0	2720.0		--
<i>Valeriana officinalis</i>	Root	10.0	195.0		--
<i>Zea mays</i>	Seed				--
<i>Zea mays</i>	Seed Essent. Oil				--
<i>Zea mays</i>	Silk Stigma Style	144.0	216.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.